

CLAIMS

1. A receiving apparatus of a digital broadcasting for receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed, comprising:

a decoder for decoding said received digital broadcasting signal;

an interface for receiving the transport stream from a reproducing apparatus; and

a display processing circuit for displaying program associated information recorded on a recording medium loaded in said reproducing apparatus by a predetermined format.

2. An apparatus according to claim 1, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus is information based on a kind of said transport stream of said recorded program.

3. An apparatus according to claim 1, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus is information based on a kind of compression system of said recorded program.

4. An apparatus according to claim 1, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus

is information of a recording mode of said recorded program.

5. An apparatus according to claim 4, wherein said recording mode is an analog recording or a digital recording.

6. An apparatus according to claim 3, wherein said recording mode is a 3-times or normal recording mode in an analog recording mode.

7. An apparatus according to claim 1, wherein when the reproduction of the program is not performed in said reproducing apparatus through said interface but is performed through an analog input/output, said display processing circuit executes a display process so as to display a message indicating that a recording mode of the program recorded on the recording medium loaded in said reproducing apparatus is an analog recording.

8. An apparatus according to claim 7, wherein when the user selects a digital input/output, said display processing circuit executes a display process so as to display an alarm.

9. An apparatus according to claim 1, further comprising a control panel display processing circuit for displaying a control panel for controlling said reproducing apparatus, and wherein when said control panel is displayed, said control panel display processing circuit executes a display process so as to

display an alarm.

10. An apparatus according to claim 1, wherein when the reproduction of the program is executed in said reproducing apparatus through said interface, said display processing circuit executes a display process so as to display a message indicating that a recording mode of the program recorded on the recording medium loaded in said reproducing apparatus is a digital recording.

11. An apparatus according to claim 1, wherein when a digital signal reproduced in said reproducing apparatus and received through said interface is not decoded in said decoder, said display processing circuit executes a display process so as to display a message indicating that the program recorded on the recording medium loaded in said reproducing apparatus is a recording mode in which said digital signal cannot be decoded by said receiving apparatus of the digital broadcasting.

12. An apparatus according to claim 1, wherein said program associated information includes at least one of a channel number of the program, a program name, a genre, a recording day, and a recording time.

13. An apparatus according to claim 1, wherein said program associated information includes recording position information of the program on the recording medium.

14. An apparatus according to claim 1, wherein said program associated information is overlaid onto a reproduction signal from said reproducing apparatus and displayed.

5 15. An apparatus according to claim 1, further comprising reading means for reading out said program associated information recorded on the recording medium loaded in said reproducing apparatus from a memory in said reproducing apparatus, and wherein said display processing circuit performs a display process so as to display said program associated information recorded on the recording medium loaded in said reproducing apparatus on the basis of the information read out by said reading means.

10 16. A display method of recording program associated information in a receiving apparatus of a digital broadcasting, comprising:

15 a step of receiving a digital broadcasting signal constructed by a transport stream in which video data and audio data have been compressed and multiplexed;

20 a step of decoding said received digital broadcasting signal;

25 a step of receiving the transport stream from a reproducing apparatus through an interface; and

a display processing step of displaying program associated information recorded on a recording

medium loaded in said reproducing apparatus by a predetermined format.

17. A method according to claim 16, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus is information based on a kind of said transport stream of said recorded program.

18. A method according to claim 16, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus is information based on a kind of compression system of said recorded program.

19. A method according to claim 16, wherein said program associated information recorded on the recording medium loaded in said reproducing apparatus is information of a recording mode of said program.

20. A method according to claim 19, wherein said recording mode is an analog recording or a digital recording.

21. A method according to claim 19, wherein said recording mode is a 3-times or normal recording mode in an analog recording mode.

22. A method according to claim 16, wherein when the reproduction of the program is not performed in said reproducing apparatus through said interface but is performed through an analog input/output, in said display processing step, a display process is performed

so as to display a message indicating that a recording mode of the program recorded on the recording medium loaded in said reproducing apparatus is an analog recording.

23. A method according to claim 22, wherein when the user selects a digital input/output, in said display processing step, a display process is performed so as to display an alarm.

24. A method according to claim 16, further comprising a control panel display processing step of displaying a control panel for controlling said reproducing apparatus, and wherein when said control panel is displayed, a display process is performed so as to display an alarm.

25. A method according to claim 16, wherein when the reproduction of the program is executed in said reproducing apparatus through said interface, in said display processing step, a display process is performed so as to display a message indicating that a recording mode of the program recorded on the recording medium loaded in said reproducing apparatus is a digital recording.

26. A method according to claim 16, wherein when a digital signal reproduced in said reproducing apparatus and received through said interface is not decoded in said decoding step, in said display processing step, a display process is performed so as

to display a message indicating that the program recorded on the recording medium loaded in said reproducing apparatus is a recording mode in which said digital signal cannot be decoded by said receiving apparatus of the digital broadcasting.

27. A method according to claim 16, wherein said program associated information includes at least one of a channel number of the program, a program name, a genre, a recording day, and a recording time.

28. A method according to claim 16, wherein said program associated information includes recording position information of the program on the recording medium.

29. A method according to claim 15, wherein said program associated information is overlaid onto a reproduction signal from said reproducing apparatus and displayed.

30. A method according to claim 15, further comprising a reading step of reading out said program associated information recorded on the recording medium loaded in said reproducing apparatus from a memory in said reproducing apparatus, and wherein in said display processing step, a display process is performed so as to display said program associated information recorded on the recording medium loaded in said reproducing apparatus on the basis of the information read out by said reading step.

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